CLAIMS

1. A rotary bearing, comprising a radially inner bearing part and a radially outer bearing part rotatable relative to one another about an axis; a lubricant passage arrangement for supplying a lubricant both to engaging surfaces of said radially inner bearing part and said radially outer bearing part and also to a further lubricating point, said lubricant passage arrangement including at least one first lubricant passage having one end which opens in an inner peripheral surface of said radially outer bearing part and another end which is connectable with a lubricant supply, at least one second lubricant passage which leads from an outer peripheral surface of said radially inner bearing part to an inner peripheral surface of said radially inner bearing part, and a ring chamber between said inner peripheral surface of said outer bearing part and said outer peripheral surface of said inner bearing part, said at least one first lubricant passage and said at least one second lubricant passage opening in said ring chamber; a lubricant distributing element formed as a separate part which is arranged in said ring chamber, said lubricant distributing element being in a lubricant supplying connection with said at least one first lubricant passage; means forming at least one first outflow path associated with said lubricant distributing element for supplying lubricant to the engaging surfaces of said bearing parts, and

means for providing at least one second outflow path associated with said lubricant distributing element for supplying lubricant through said at least one second lubricant passage to said at least one further lubricating point.

2. A rotary bearing as defined in claim 1, wherein said at least one outflow path is arranged so as to be located at a location selected from the group consisting of in said lubricant distributing element, on said lubricating distributing element, and both.

3. A rotary bearing as defined in claim 1, wherein said at least one second outflow path is arranged so as to be located at a location selected from the group consisting of in said lubricant distributing element, on said lubricating distributing element, and both.

4. A rotary bearing as defined in claim 1, wherein said lubricant distributing element has a substantially U-shaped cross-section with two side legs and a connecting transverse web.

5. A rotary bearing as defined in claim 4, wherein said side legs and said transverse web together limit an inner space of said lubricant distributing element, said transverse web having at least one supply opening through which lubricant is supplied from said at least one first lubricant passage into said inner space of said lubricant distributing element.

6. A rotary bearing as defined in claim 1, wherein said first outflow path is formed between an outer surface of said lubricant distributing element which extends substantially orthogonal to an axial direction and a counter surface of said ring chamber which extends also substantially orthogonal to the axial direction.

7. A rotary bearing as defined in claim 1, wherein said at least one second outflow path is formed so that said at least one second lubricant passage opens into said inner space of said lubricant distributing element.

8. A rotary bearing as defined in claim 1; and further comprising at least one securing element which secures said lubricant distributing element with respect to said radially outer bearing part.

9. A rotary bearing as defined in claim 8, wherein said securing element secures said lubricant distributing element relative to said radially outer bearing part both in an axial direction and in a peripheral direction.

10. A rotary bearing as defined in claim 8, wherein said securing element is formed as a pipe which is received in said first lubricant passage and engage in a securing depression provided on an outer

periphery of said lubricant distributing element, said securing depression having a bottom surface with a supply opening which leads to an inner space of said lubricant distributing element.

11. A rotary bearing as defined in claim 1, wherein said lubricant distributing element is formed as a lubricant distributing ring.

12. A rotary bearing as defined in claim 1, wherein said radially inner bearing part has two bearing part bodies with axial end surfaces abutting against one another.

13. A rotary bearing as defined in claim 12, wherein said both bearing bodies are formed identically and arranged mirror-symmetrically.

14. A rotary bearing as defined in claim 1, wherein said radially inner bearing part is provided on said inner peripheral surface with a ring groove.

15. A rotary bearing as defined in claim 14, wherein said ring groove extends substantially over a whole periphery of said inner peripheral surface of said radially inner bearing part.

16. A rotary bearing as defined in claim 1; and further comprising a plurality of roller bodies so that the rotary bearing is formed as a roller bearing.

17. A rotary bearing as defined in claim 16, wherein said roller bodies are arranged in two rows which are spaced from one another in the axial direction.

18. A rotary bearing as defined in claim 17, wherein said rows of said roller bodies have load lines which include an acute angle with said axis, said load lines of said both roller body rows forming an O-arrangement in a section which contains said axis.

19. A threaded drive, comprising a threaded spindle; a threaded nut which is in threaded engagement with said threaded spindle; a rotary bearing having a radially inner bearing part and a radially outer bearing part which are rotatable relative to one another about an axis and limit a ring chamber therebetween; a lubricant passage arrangement for supplying lubricant both to engaging surfaces of said rotary bearing and to engaging surfaces of said threaded spindle with said threaded nut, said lubricant passage arrangement including at least one first lubricant passage with an end opening on an inner peripheral surface of said outer bearing part into said ring chamber and another end which is connectable with a lubricant supply, and also at least one second lubricant passage which leads to an outer peripheral surface of said inner bearing part from said ring chamber,

said threaded nut and said radially inner bearing part of said rotary bearing being formed as separate components which are connectable to one another during mounting of the threaded drive, said threaded nut having at least one third lubricant passage which is in a lubricant supplying connection with said second lubricant passage.

21. A threaded drive as defined in claim 20, wherein said rotary bearing is formed as a roller bearing.

22. A threaded drive as defined in claim 20, wherein said radially inner bearing part has an inner peripheral surface which is connected to said second lubricant passage and has a lubricating groove extending substantially in a peripheral direction.

23. A threaded drive as defined in claim 20, wherein said threaded nut has an outer peripheral surface which is connected with said second lubricant passage and provided with a lubricant groove extending substantially in a peripheral direction.

24. A threaded drive as defined in claim 20; and further comprising a lubricant supply system including a lubricant supply path which includes said lubricant passages, said lubricant supply system also including at least two outflow paths including a least one first outflow path which leads in said ring chamber to at least one part of the engaging surfaces of said rotary bearing and at least one second outflow path which leads through said radially inner bearing part to at least a part of said engaging surfaces of said threaded spindle and said nut, at least one of said outflow paths being provided with a controllable throttling point.

25. A threaded drive as defined in claim 24, wherein said throttling point is formed as a controllable blocking point which is adjustable between at least one opening position in which a flow of lubricant is provided and a closing position in which a flow of lubricant is substantially suppressed.

26. A threaded drive as defined in claim 24, wherein said throttling point has an opening cross-section which is controllable depending on a pressure in said lubricant supply path.

27. A threaded drive as defined in claim 26, wherein said throttling point is in said first outflow path and has an opening cross-section which is smaller when a lubricant pressure in said lubricant supply path is greater and which is greater when the lubricant pressure in said lubricant supply path is smaller.

28. A threaded drive as defined in claim 24, wherein said radially outer bearing part has an inner peripheral side provided with at least one ring tongue which extends in said ring chamber and is flexibly deflectable, said throttling point being limited between one of side surfaces of said tongue and a throttle limiting surface formed on an outer peripheral

side of said radially inner bearing part, said ring tongue having an opposite tongue side surface which adjoins said lubricant supply path.

29. A threaded drive as defined in claim 28, wherein said ring tongue is in a material connection with said outer bearing part to be of one piece with the latter.

30. A threaded drive as defined in claim 28, wherein said ring tongue is formed as a component which is separate from said outer bearing part.